

t76\_enumset1  
(TMUeDxWiCmVVTL5x9RdvDhj1ZdCVMEa6m2w)

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Let  $k2\_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} \forall X0.\forall X1.\forall X2.\forall X3.k2\_enumset1\ X0\ X1 \\ X2\ X3 = k2\_enumset1\ X2\ X3\ X1\ X0 \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} \forall X0.\forall X1.\forall X2.\forall X3.k2\_enumset1\ X0\ X1 \\ X2\ X3 = k2\_enumset1\ X1\ X0\ X2\ X3 \end{aligned} \tag{2}$$

**Theorem 1**

$$\begin{aligned} \forall X0.\forall X1.\forall X2.\forall X3.k2\_enumset1\ X0\ X1 \\ X2\ X3 = k2\_enumset1\ X3\ X2\ X1\ X0 \end{aligned}$$